

ABSTRACT OF THE DISCLOSURE

An apparatus and method for simultaneously coating and measuring a part. The apparatus includes a part support, a sprayer and a part measurer positioned adjacent to the part support and a display device positioned adjacent to the part support. The sprayer applies a coating to a section of the part while the part measurer continuously measures a dimension of the section of the part being coated. In one embodiment, an initial amount of coating and a final amount of coating are applied to the section of the part based on the dimension measurements and desired dimension of the part. In another embodiment, the amount of coating applied to the part is based on the desired coating thickness. As a result, the apparatus and method of the present invention significantly reduces the margin of error related to the application of coatings to parts.